

| L Number | Hits | Search Text   | DB                                     | Tim stamp           |
|----------|------|---|--|---------------------|
| -        | 8851 | ((398/81) or (385/122,123,1-3,14,37)).CCLS.   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/09<br>10:37 |
| -        | 5661 | ((((398/81) or (385/122,123,1-3,14,37)).CCLS.) and ((non near\$3 linear) nonlinear)   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/12/02<br>14:00 |
| -        | 588  | (((((398/81) or (385/122,123,1-3,14,37)).CCLS.) and ((non near\$3 linear) nonlinear) ) and dispersion) and (((band lo low hi high) near3 (pass)) or (wavelength near select\$3))  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/15<br>16:58 |
| -        | 400  | (((((398/81) or (385/122,123,1-3,14,37)).CCLS.) and ((non near\$3 linear) nonlinear) ) and dispersion) and (((band lo low hi high) near3 (pass)) or (wavelength near select\$3))) and (input same output)   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/12/02<br>14:05 |
| -        | 572  | (((((398/81) or (385/122,123,1-3,14,37)).CCLS.) and ((non near\$3 linear) nonlinear) ) and dispersion) and (((band lo low hi high) near3 (pass)) or (wavelength near select\$3))) and fiber   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/12/02<br>14:05 |
| -        | 391  | ((((((398/81) or (385/122,123,1-3,14,37)).CCLS.) and ((non near\$3 linear) nonlinear) ) and dispersion) and (((band lo low hi high) near3 (pass)) or (wavelength near select\$3))) and (input same output)) and ((((((398/81) or (385/122,123,1-3,14,37)).CCLS.) and ((non near\$3 linear) nonlinear) ) and dispersion) and (((band lo low hi high) near3 (pass)) or (wavelength near select\$3))) and fiber) | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/12/02<br>16:16 |
| -        | 6    | ((((398/81) or (385/122,123,1-3,14,37)).CCLS.) and ((non near\$3 linear) nonlinear) ) and (waveform near2 converter)  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/12/02<br>14:43 |
| -        | 16   | ((((398/81) or (385/122,123,1-3,14,37)).CCLS.) and (input same ((non near\$3 linear) nonlinear) same (dispers\$3) same (((band lo low hi high) near3 (pass)) or (wavelength near select\$3)) same output)   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/12/02<br>14:54 |
| -        | 9    | ((((398/81) or (385/122,123,1-3,14,37)).CCLS.) and (input same ((nonnear\$3 linear) nonlinear) same (dispers\$3) same (((band lo low hi high) near3 (pass)) or (wavelength near select\$3)) same output)  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/12/02<br>15:56 |
| -        | 27   | 5532868.URPN.   | USPAT                                  | 2003/12/02<br>14:58 |
| -        | 229  | ((((((398/81) or (385/122,123,1-3,14,37)).CCLS.) and ((non near3 linear) nonlinear) ) and (dispersive dispersion)) and (((band lo low hi high) near3 (pass)) or (wavelength near select\$3))) and fiber)  | USPAT;<br>JPO;<br>DERWENT              | 2003/12/04<br>10:27 |
| -        | 122  | ((((((398/81) or (385/122,123,1-3,14,37)).CCLS.) and ((non near3 linear) nonlinear) ) and (dispersive dispersion)) and (((band lo low hi high) near3 (pass)) or (wavelength near select\$3))) and fiber) and pulse  | USPAT;<br>JPO;<br>DERWENT              | 2003/12/04<br>10:37 |

|   |    |  |  |                     |
|---|----|--|--|---------------------|
| - | 1  | (((((398/81) or (385/122,123,1-3,14,37)).CCLS.) and ((non near3 linear) nonlinear) ) and (dispersive dispersion)) and (((band lo low hi high) near3 (pass)) or (wavelength near select\$3))) and fiber) and pulse and (optical with pulse with waveform with converter)  | USPAT;<br>JPO;<br>DERWENT              | 2003/12/04<br>11:24 |
| - | 4  | ((("6522818") or ("5808768") or ("6377390") or ("6522818") or ("6459525") or ("6665113")).PN.  | USPAT                                  | 2003/12/04<br>11:26 |
| - | 4  | ((("6522818") or ("5808768") or ("6377390") or ("6522818") or ("6459525") or ("6665113")).PN.  | USPAT;<br>EPO; JPO                     | 2003/12/04<br>11:27 |
| - | 4  | ((("6522818") or ("5808768") or ("6377390") or ("6459525") or ("6665113")).PN.   | USPAT;<br>EPO; JPO                     | 2003/12/04<br>11:28 |
| - | 5  | ("5596667"   "5694239"   "5798853"   "6163638"   "6175435").PN.  | USPAT                                  | 2003/12/04<br>14:05 |
| - | 1  | ((("5596667"   "5694239"   "5798853"   "6163638"   "6175435").PN.) and chirped same bragg same grat\$3   | USPAT                                  | 2003/12/04<br>14:37 |
| - | 8  | ("4406516"   "4958910"   "5477375"   "5499134"   "5627848"   "5815307"   "5862287"   "5912999").PN.  | USPAT                                  | 2003/12/04<br>14:12 |
| - | 1  | "5271024".PN.  | USPAT                                  | 2003/12/04<br>14:12 |
| - | 3  | ((("5596667"   "5694239"   "5798853"   "6163638"   "6175435").PN.) and (band near3 pass)   | USPAT                                  | 2003/12/04<br>14:37 |
| - | 15 | (US-5410561-\$ or US-6424774-\$ or US-5532868-\$ or US-5694239-\$ or US-5982963-\$ or US-6317539-\$ or US-6476949-\$ or US-6453093-\$ or US-5414548-\$ or US-5677786-\$ or US-6522818-\$ or US-5499134-\$ or US-5596667-\$ or US-5798853-\$).did. or (US-20010048788-\$).did.  | USPAT;<br>US-PGPUB                     | 2003/12/04<br>15:15 |
| - | 9  | ((US-5410561-\$ or US-6424774-\$ or US-5532868-\$ or US-5694239-\$ or US-5982963-\$ or US-6317539-\$ or US-6476949-\$ or US-6453093-\$ or US-5414548-\$ or US-5677786-\$ or US-6522818-\$ or US-5499134-\$ or US-5596667-\$ or US-5798853-\$).did. or (US-20010048788-\$).did.) and circulator   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/12/04<br>15:21 |
| - | 6  | ((US-5410561-\$ or US-6424774-\$ or US-5532868-\$ or US-5694239-\$ or US-5982963-\$ or US-6317539-\$ or US-6476949-\$ or US-6453093-\$ or US-5414548-\$ or US-5677786-\$ or US-6522818-\$ or US-5499134-\$ or US-5596667-\$ or US-5798853-\$).did. or (US-20010048788-\$).did.) and circulator) and (chirped with fiber)                   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/12/04<br>15:22 |
| - | 4  | ((US-5410561-\$ or US-6424774-\$ or US-5532868-\$ or US-5694239-\$ or US-5982963-\$ or US-6317539-\$ or US-6476949-\$ or US-6453093-\$ or US-5414548-\$ or US-5677786-\$ or US-6522818-\$ or US-5499134-\$ or US-5596667-\$ or US-5798853-\$).did. or (US-20010048788-\$).did.) and circulator) and (circulator same (chirped with fiber)) | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/12/04<br>15:23 |

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|---|-------|--|--|---------------------|
| - | 0     | ((((US-5410561-\$ or US-6424774-\$ or US-5532868-\$ or US-5694239-\$ or US-5982963-\$ or US-6317539-\$ or US-6476949-\$ or US-6453093-\$ or US-5414548-\$ or US-5677786-\$ or US-6522818-\$ or US-5499134-\$ or US-5596667-\$ or US-5798853-\$).did. or (US-20010048788-\$).did.) and circulator) and (circulator same (Bragg with chirped with fiber))) | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/12/04<br>15:23 |
| - | 0     | ((((US-5410561-\$ or US-6424774-\$ or US-5532868-\$ or US-5694239-\$ or US-5982963-\$ or US-6317539-\$ or US-6476949-\$ or US-6453093-\$ or US-5414548-\$ or US-5677786-\$ or US-6522818-\$ or US-5499134-\$ or US-5596667-\$ or US-5798853-\$).did. or (US-20010048788-\$).did.) and circulator) and (circulator same bragg same (chirped with fiber))) | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/12/04<br>15:26 |
| - | 41    | ((((398/81) or (385/122,123,1-3,14,37)).CCLS.) and (((nonnear\$3 linear) nonlinear) same (dispers\$3) same (chirped near2 fiber near2 grat\$4)))   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/12/04<br>15:26 |
| - | 9     | (((((398/81) or (385/122,123,1-3,14,37)).CCLS.) and (((nonnear\$3 linear) nonlinear) same (dispers\$3) same (chirped near2 fiber near2 grat\$4))) and (circulator same bragg same (chirped with fiber)))   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2003/12/04<br>15:26 |
| - | 9473  | ((398/81) or (385/122,123,1-3,14,37)).CCLS.  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/09<br>10:37 |
| - | 30    | ((((398/81) or (385/122,123,1-3,14,37)).CCLS.) and pulse same waveform same convert\$3   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/09<br>10:38 |
| - | 14888 | pulse same waveform same convert\$3  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/09<br>10:38 |
| - | 818   | (385\$ 398\$).ccls. and pulse same (wave waveform) same (convert\$3 shap\$3)   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/10<br>13:28 |
| - | 329   | ((385\$ 398\$).ccls. and pulse same (wave waveform) same (convert\$3 shap\$3)) and non\$3linear  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/09<br>15:01 |
| - | 346   | ((385\$ 398\$).ccls. and pulse same (wave waveform) same (convert\$3 shap\$3)) and dispersion  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/09<br>15:01 |
| - | 113   | ((385\$ 398\$).ccls. and pulse same (wave waveform) same (convert\$3 shap\$3)) and chirped   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/09<br>15:02 |

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| - | 84   | (((385\$ 398\$).ccls. and pulse same (wave waveform) same (convert\$3 shap\$3)) and non\$3linear) and (((385\$ 398\$).ccls. and pulse same (wave waveform) same (convert\$3 shap\$3)) and dispersion) and (((385\$ 398\$).ccls. and pulse same (wave waveform) same (convert\$3 shap\$3)) and chirped) | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/09<br>15:03 |
| - | 50   | (((385\$ 398\$).ccls. and pulse same (wave waveform) same (convert\$3 shap\$3)) and non\$3linear) and (((385\$ 398\$).ccls. and pulse same (wave waveform) same (convert\$3 shap\$3)) and dispersion) and (((385\$ 398\$).ccls. and pulse same (wave waveform) same (convert\$3 shap\$3)) and chirped) | USPAT                                  | 2004/06/09<br>15:03 |
| - | 0    | (((light optic\$2) near pulse) near3 (shape with (change var\$4))) and (non\$3linear) and (((dispersive dispersion) near2 grating) with chirp\$3)  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/10<br>10:12 |
| - | 29   | (((light optic\$2) near pulse) near3 (shape with (change var\$4)))   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/10 10:11    |
| - | 9    | (((light optic\$2) near pulse) near3 (shape with (change var\$4))) ) and non\$3linear  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/10<br>10:12 |
| - | 6    | (((light optic\$2) near pulse) near3 (shape with (change var\$4))) ) and non\$3linear) and (dispersive dispersion)   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/10<br>10:12 |
| - | 0    | (((light optic\$2) near pulse) near3 (shape with (change var\$4))) ) and non\$3linear) and (dispersive dispersion)) and chirping   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/10<br>10:13 |
| - | 1    | (((light optic\$2) near pulse) near3 (shape with (change var\$4))) ) and non\$3linear) and (dispersive dispersion)) and chirped  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/10<br>10:13 |
| - | 1700 | (385\$ 398\$).ccls. and ((pulse with (optic\$2 light wave waveform))) with (broaden convert\$3 shap\$3)  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/10<br>15:03 |
| - | 35   | ((385\$ 398\$).ccls. and ((pulse with (optic\$2 light wave waveform))) with (broaden convert\$3 shap\$3)) and (((dispersive dispersion) near2 grating) with chirp\$3)  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/14<br>10:08 |
| - | 28   | (((385\$ 398\$).ccls. and ((pulse with (optic\$2 light wave waveform))) with (broaden convert\$3 shap\$3)) and (((dispersive dispersion) near2 grating) with chirp\$3)) and non\$3linear   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/10<br>16:55 |
| - | 4    | ("6453093") or ("6453095") or ("6330383") or ("5982963").PN.   | USPAT                                  | 2004/06/10<br>16:56 |
| - | 8    | ("5450427"   "5499134"   "5511083"   "5532868"   "5541947"   "5633885"   "5675674"   "5808779").PN.  | USPAT                                  | 2004/06/10<br>17:01 |

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| - | 25   | ((pulse with (optic\$2 light wave waveform)) with (broaden convert\$3 shap\$3)) and non\$3linear and (((dispersive dispersion) near2 grat\$3) with chirp\$3)                           | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/14<br>10:18 |
| - | 5625 | (((398/81) or (385/122,24,37)).CCLS.)  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/16<br>09:41 |
| - | 1403 | (((398/81) or (385/122,24,37)).CCLS.) and non\$3linear   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/16<br>09:41 |
| - | 495  | (((398/81) or (385/122,24,37)).CCLS.) and (chirped near3 grat\$3)  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/16<br>09:42 |
| - | 2894 | (((398/81) or (385/122,24,37)).CCLS.) and (pulse frequency)  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/16<br>09:42 |
| - | 1266 | (((398/81) or (385/122,24,37)).CCLS.) and (pulse )   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/16<br>09:43 |
| - | 120  | (((398/81) or (385/122,24,37)).CCLS.) and non\$3linear) and (((398/81) or (385/122,24,37)).CCLS.) and (chirped near3 grat\$3)) and (((398/81) or (385/122,24,37)).CCLS.) and (pulse )) | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/16<br>09:43 |
| - | 70   | (((398/81) or (385/122,24,37)).CCLS.) and non\$3linear) and (((398/81) or (385/122,24,37)).CCLS.) and (chirped near3 grat\$3)) and (((398/81) or (385/122,24,37)).CCLS.) and (pulse )) | USPAT                                  | 2004/06/16<br>09:43 |
| - | 1026 | (((398/81) or (385/122,24,37)).CCLS.) and broad\$5 with (wave wavelength light)  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/16<br>15:35 |
| - | 12   | (((398/81) or (385/122,24,37)).CCLS.) and narrow\$3 with temporal  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/16<br>15:35 |
| - | 48   | (((398/81) or (385/122,24,37)).CCLS.) and (reduc\$3 short\$4 narrow\$3) with temporal  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/16<br>15:37 |
| - | 252  | (((398/81) or (385/122,24,37)).CCLS.) and temporal   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/16<br>15:37 |
| - | 87   | (((398/81) or (385/122,24,37)).CCLS.) and broad\$5 with (wave wavelength light)) and (((398/81) or (385/122,24,37)).CCLS.) and temporal)   | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/16<br>15:37 |

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| - | 69 | ((((((398/81) or (385/122,24,37)).CCLS.)) and broad\$5 with (wave wavelength light)) and (((((398/81) or (385/122,24,37)).CCLS.)) and temporal)) and filter             | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/16<br>15:38 |
| - | 65 | ((((((398/81) or (385/122,24,37)).CCLS.)) and broad\$5 with (wave wavelength light)) and (((((398/81) or (385/122,24,37)).CCLS.)) and temporal)) and filter) and method | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT | 2004/06/16<br>15:39 |